

Title (en)

A nephelometric turbidimeter and method for controlling the humidity of venting air in a nephelometric turbidimeter

Title (de)

Nephelometrisches Turbidimeter und Verfahren zum Regeln der Feuchtigkeit von Abluft in einem nephelometrischen Turbidimeter

Title (fr)

Turbidimètre néphélométrique et procédé de régulation de l'humidité de l'air de ventilation dans un turbidimètre néphélométrique

Publication

**EP 3023768 B1 20200304 (EN)**

Application

**EP 14194282 A 20141121**

Priority

EP 14194282 A 20141121

Abstract (en)

[origin: EP3023768A1] The invention is directed to a nephelometric turbidimeter (10) for measuring a turbidity of a liquid sample (13) in a transparent sample cuvette (12), the turbidimeter (10) comprising a cuvette chamber (16) defined by a cuvette chamber housing (14) wherein the sample cuvette (12) is arranged, and a drying apparatus comprising: a cuvette chamber inlet opening (38) for venting the cuvette chamber (16) and a cuvette chamber outlet opening (42) for deventing the cuvette chamber (16), an air circulator (49) for pumping air from the outlet opening (42) to the inlet opening (38), and a drying body (32) arranged in the drying path between the outlet opening (42) and the inlet opening (38). This arrangement allows to actively and dynamically control the air humidity within the cuvette chamber (16).

IPC 8 full level

**G01N 21/15** (2006.01); **G01N 21/51** (2006.01); **G01N 21/53** (2006.01)

CPC (source: CN EP US)

**G01N 15/06** (2013.01 - US); **G01N 21/15** (2013.01 - CN EP US); **G01N 21/51** (2013.01 - CN EP US); **G01N 21/53** (2013.01 - EP US); **G01N 15/075** (2024.01 - US); **G01N 21/53** (2013.01 - CN); **G01N 2021/157** (2013.01 - CN EP US); **G01N 2021/158** (2013.01 - CN EP US); **G01N 2201/0233** (2013.01 - CN EP US); **G01N 2201/0235** (2013.01 - CN EP US); **G01N 2201/0238** (2013.01 - CN EP US)

Citation (examination)

ANONYMOUS: "Desiccant Chart Comparisons - SorbentSystems.com", 1 January 2006 (2006-01-01), XP055612402, Retrieved from the Internet <URL:https://www.sorbentsystems.com/desiccants\_charts.html> [retrieved on 20190812]

Cited by

DE202016105143U1; EP3693726A4; JP2019174152A; WO2018195513A1; US10478821B2; US10625265B2; US11141733B2; US11148144B2; US11192112B2; US11285487B2; US11673141B2; US11779931B2; US11938483B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 3023768 A1 20160525**; **EP 3023768 B1 20200304**; CA 2967903 A1 20160526; CA 2967903 C 20230808; CN 107003231 A 20170801; CN 107003231 B 20201009; US 10408729 B2 20190910; US 2018372607 A1 20181227; WO 2016079259 A1 20160526

DOCDB simple family (application)

**EP 14194282 A 20141121**; CA 2967903 A 20151119; CN 201580063378 A 20151119; EP 2015077151 W 20151119; US 201515527710 A 20151119